



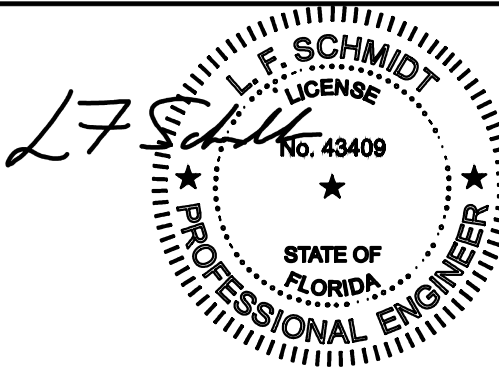
CLINE ALUMINUM DOORS, INC.
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096
Telephone (800) 648-6736

SERIES 100BE
ALUMINUM DOUBLE DOOR
OUTSWING
"IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 6. Outswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
- 7. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

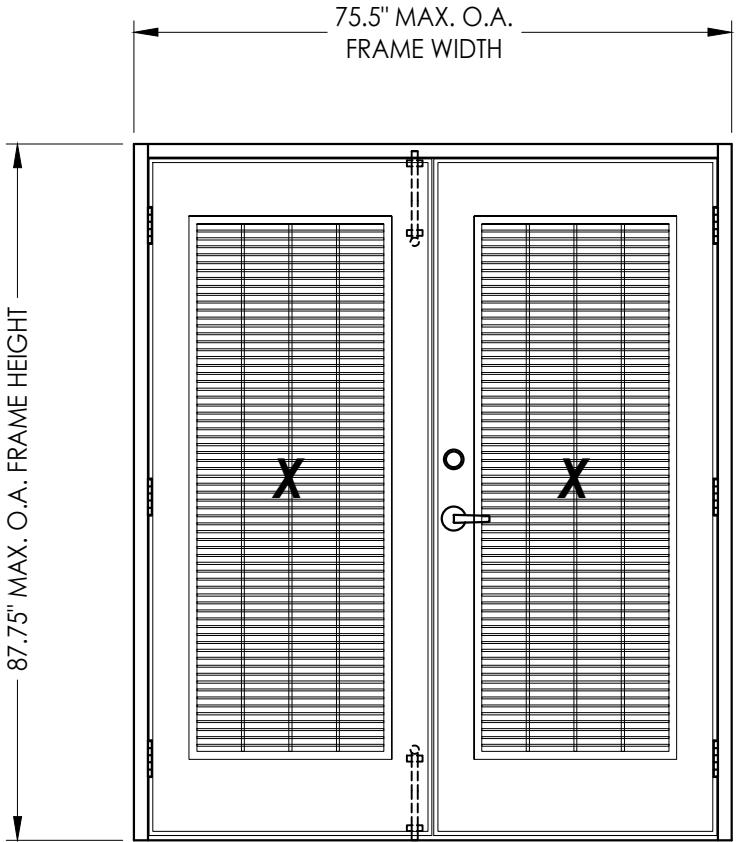
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical & horizontal cross sections
6	Buck & frame anchoring
7	Bill of materials & components



Digitally signed by
Lyndon F Schmidt
Date: 2026.07.07
08:21:11 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



VENTED DOOR PANELS
Opaque panels also approved

LOCK HARDWARE	MAX. FRAME DIMENSION	MAX. VENT OPENING DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
LATCH & DEADBOLT or MORTISE LOCK	75.5" x 87.75"	23.75" X 66.75"	+55.0	-55.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

CLINE DOORS

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	7/23/25	ADD MORTISE LOCK		LFS
1	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE			BY

REVISIONS

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-6336.12

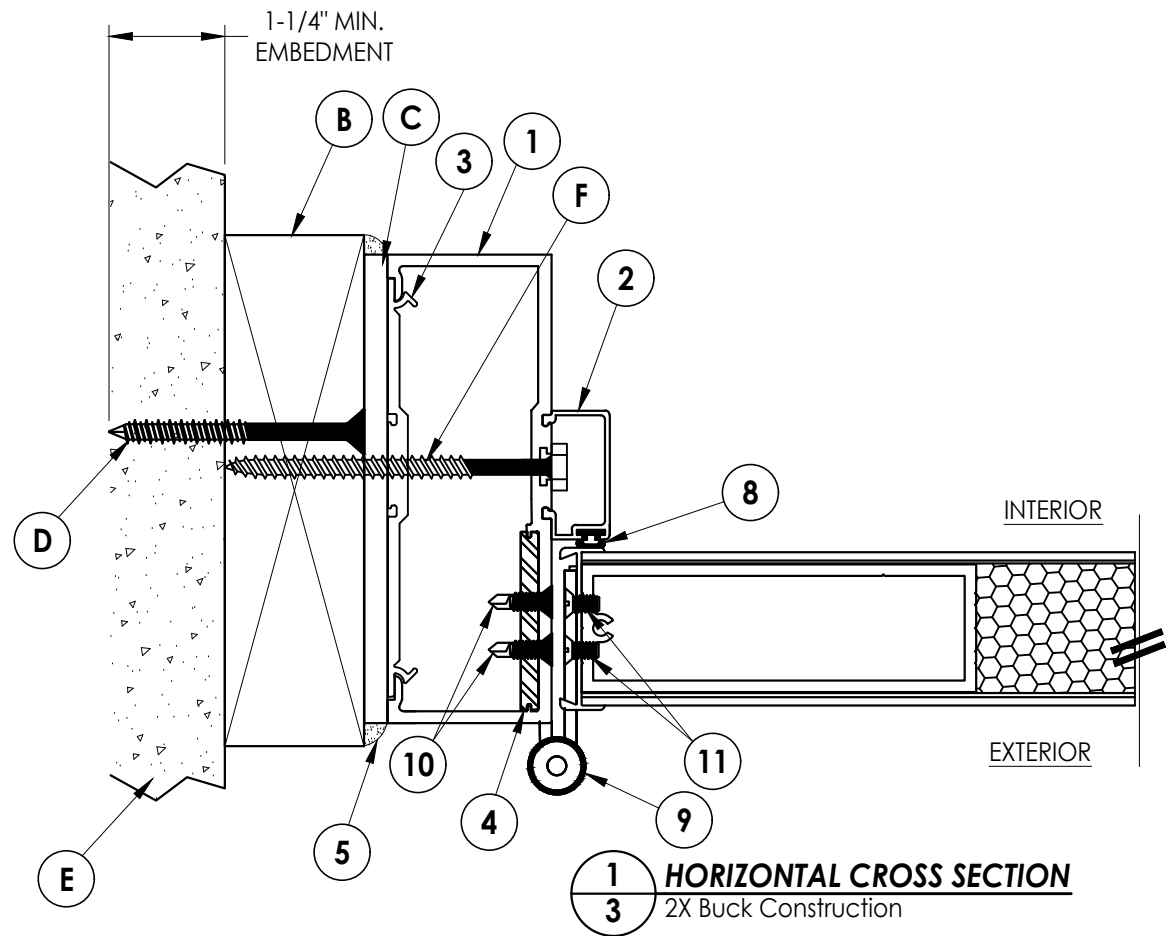
SHEET 1 OF 7

RW

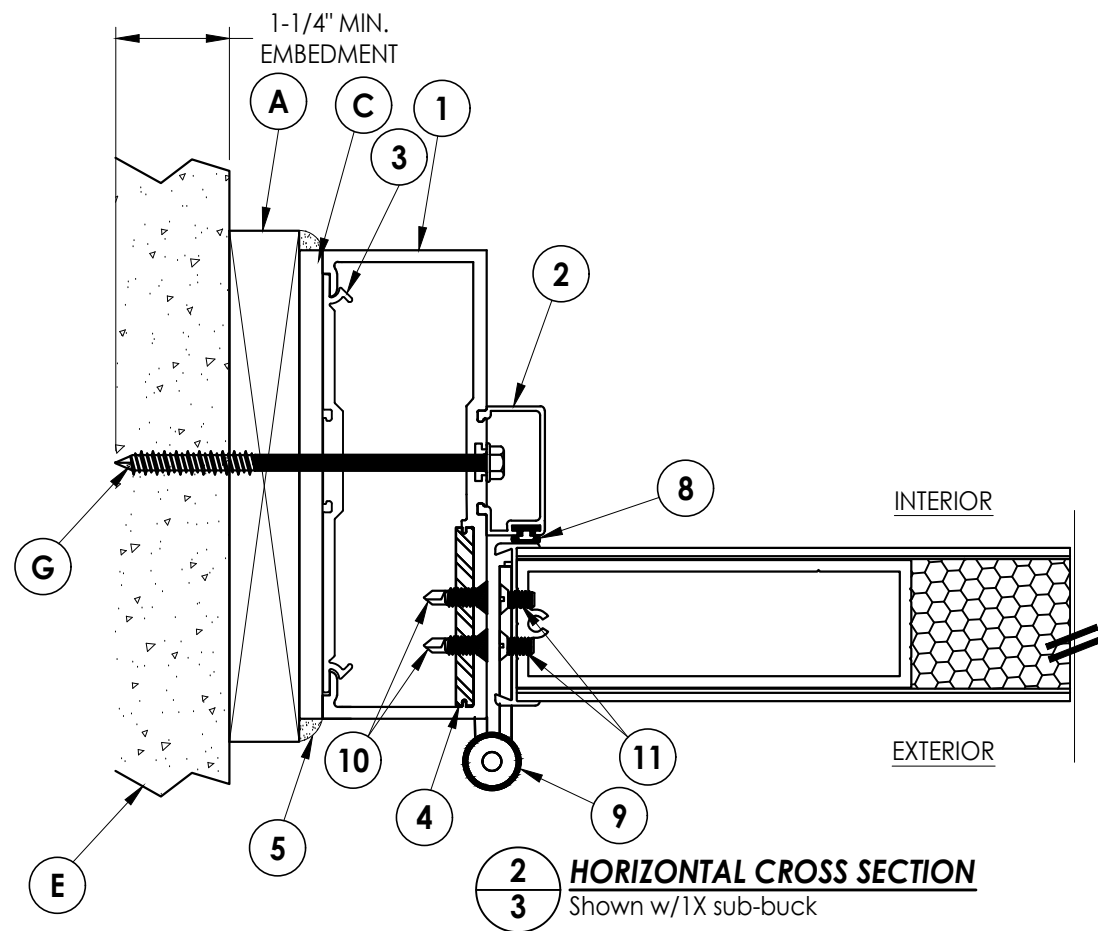
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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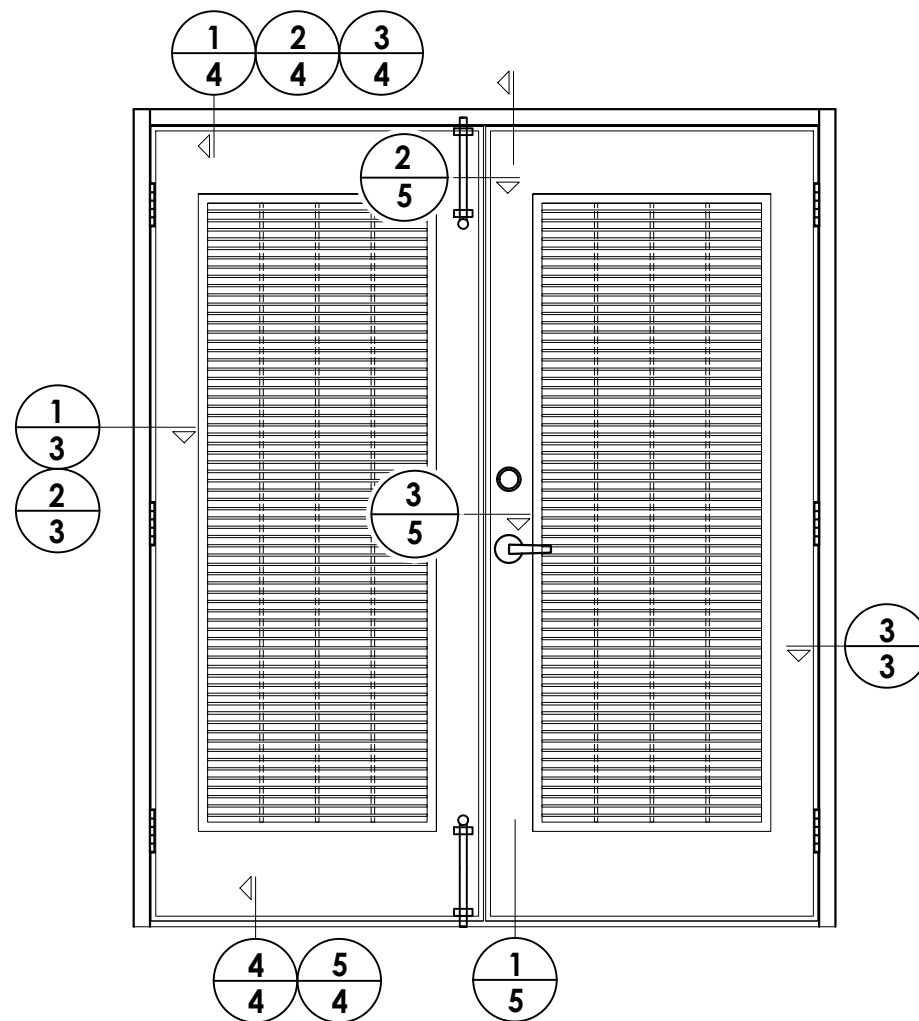
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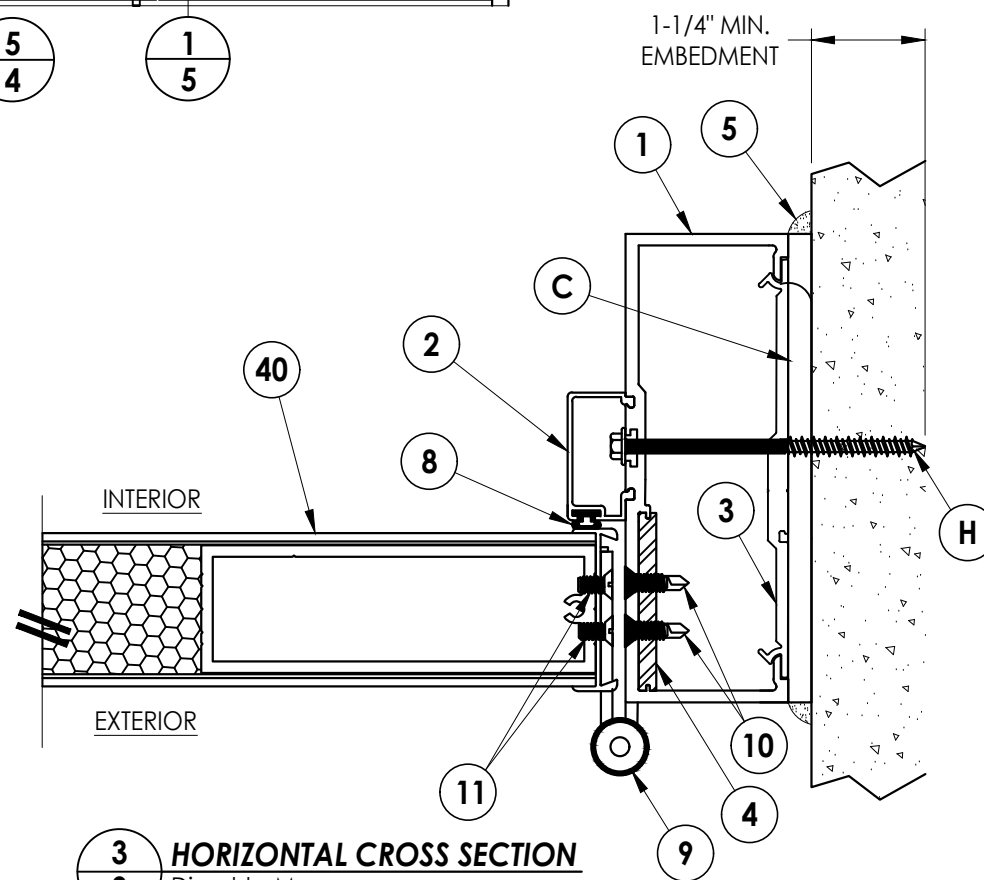
1 **HORIZONTAL CROSS SECTION**
3 2X Buck Construction



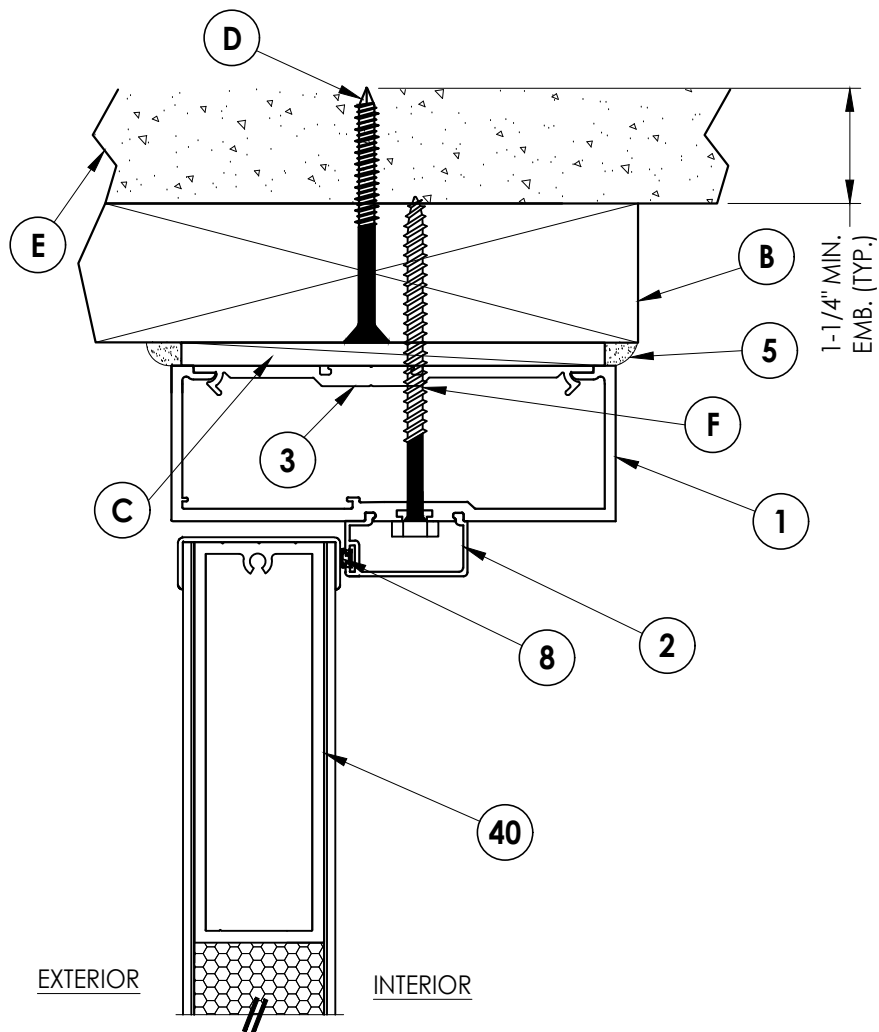
2 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck



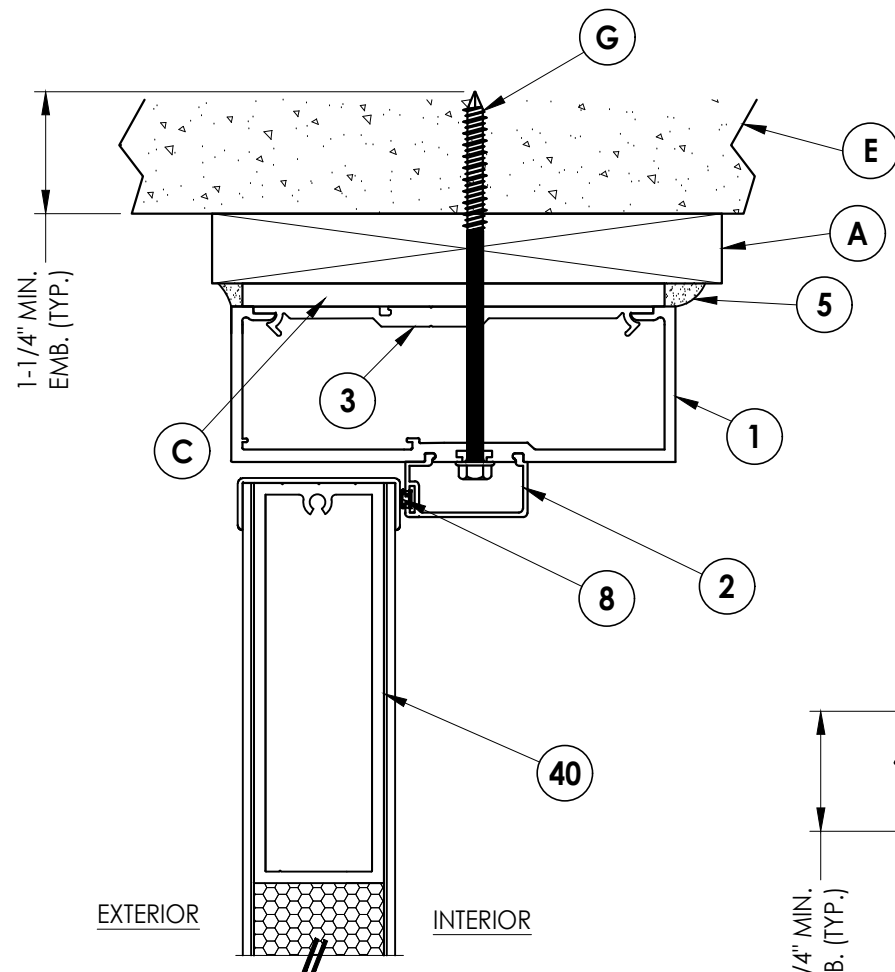
3 **HORIZONTAL CROSS SECTION**
3 Direct to Masonry



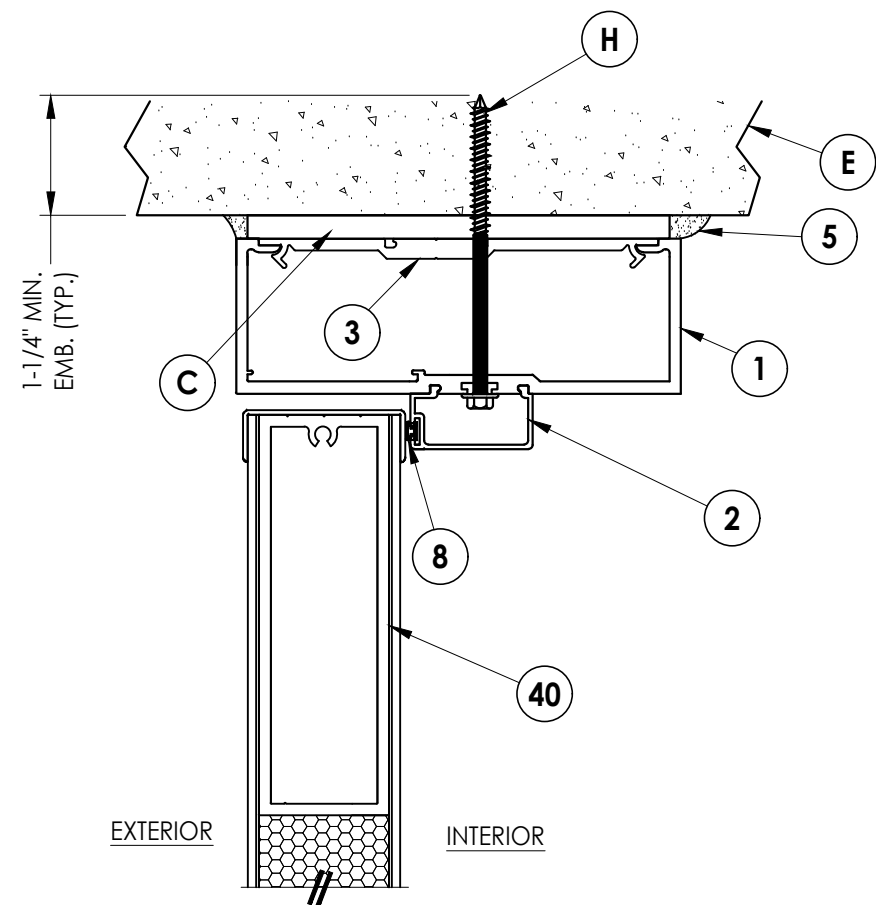
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: CLINE DOORS		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	7/23/25	ADD MORTISE LOCK	LFS
1	7/05/23	UPDATE TO 8TH ED. (2023)	FBC LFS
NO.	DATE		BY
			REVISIONS
DATE: 07/13/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-6336.12			
SHEET 3 OF 7			



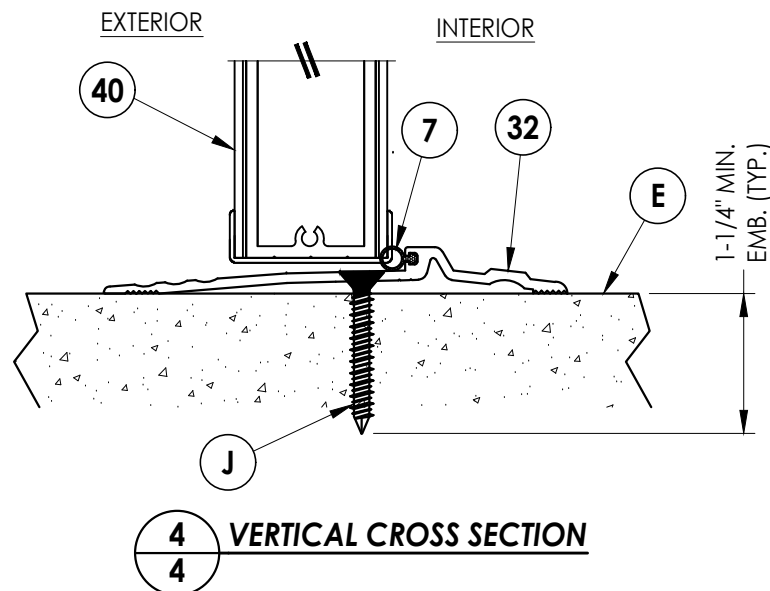
1 4 **VERTICAL CROSS SECTION** 2X Buck Construction



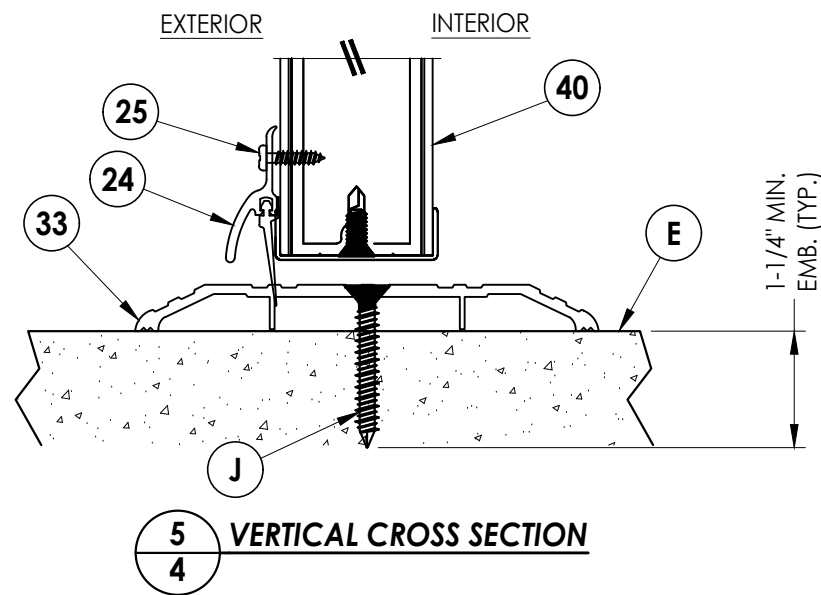
2 VERTICAL CROSS SECTION
4 Shown w/1X sub-buck



3 **VERTICAL CROSS SECTION**
4 Direct to Masonry



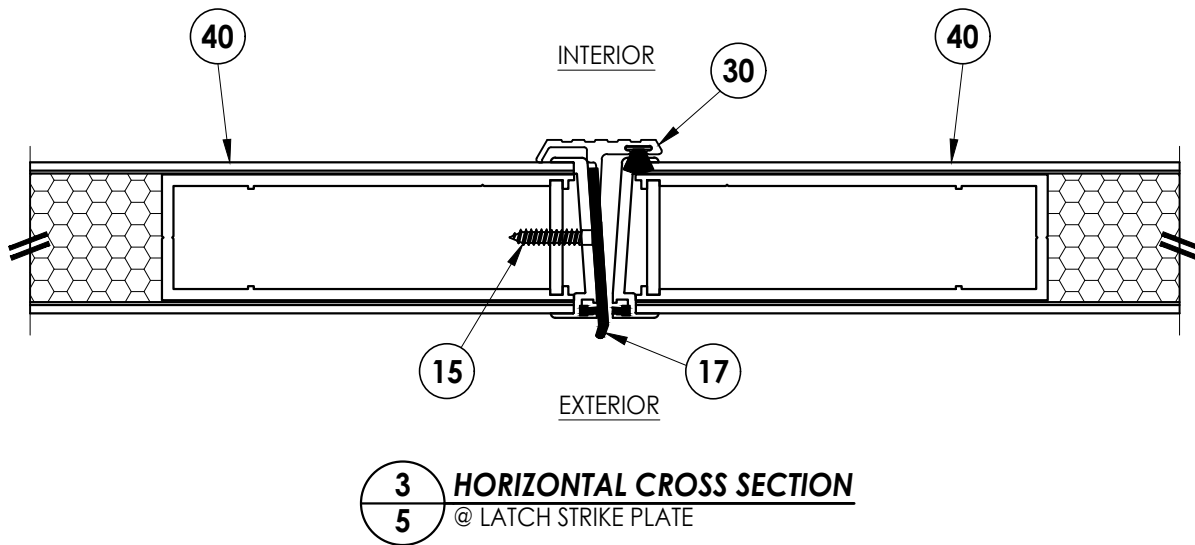
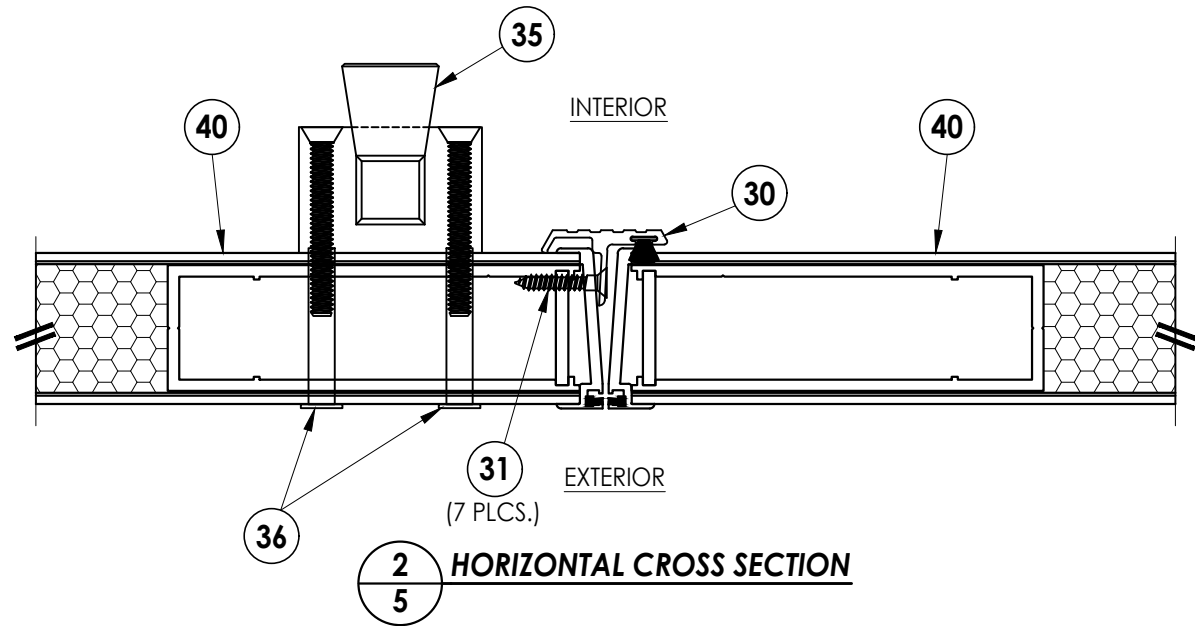
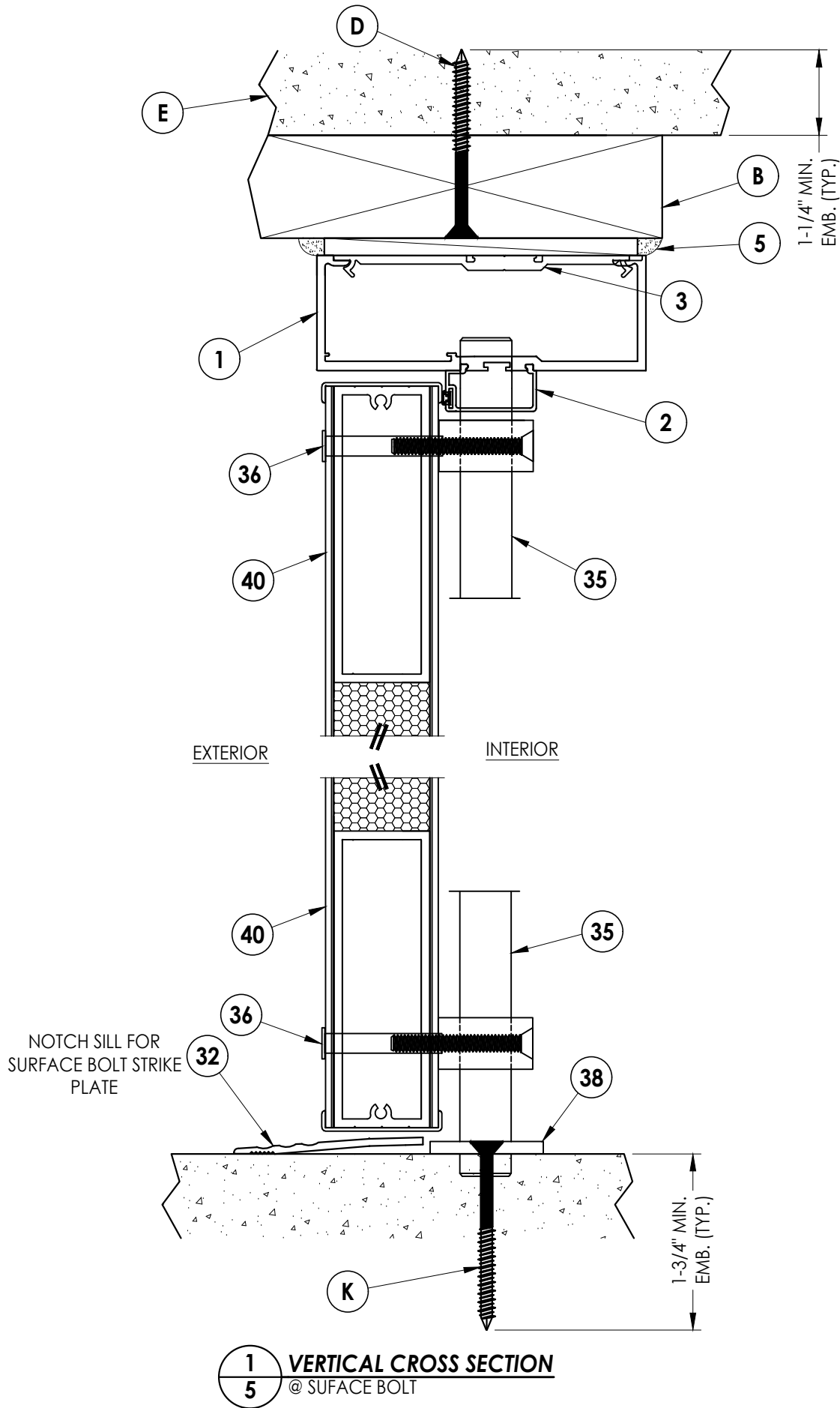
4 VERTICAL CROSS SECTION
4



5 **VERTICAL CROSS SECTION**
4

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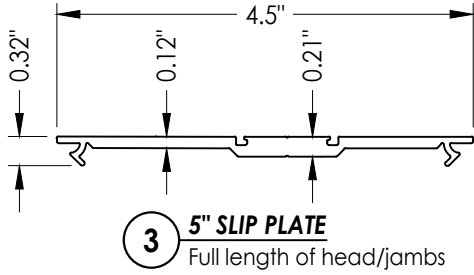
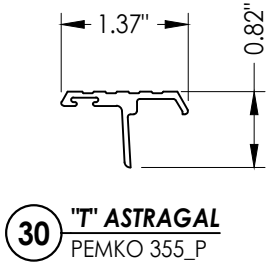
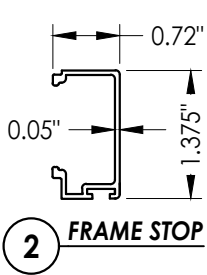
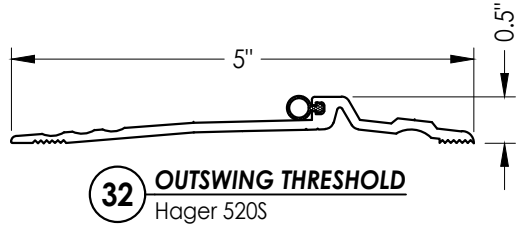
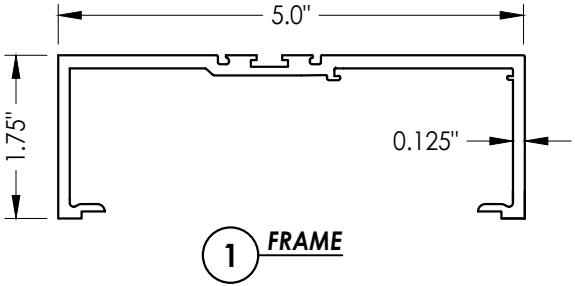
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PRODUCT: CLINE DOORS		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
		LFS	BY
		LFS	
		LFS	
		NO.	DATE
		REVISIONS	
		DATE: 07/13/21	
		SCALE: N.T.S.	
		DWG. BY: RW	
		CHK. BY: LFS	
		DRAWING NO.: FL-6336.12	
		SHEET 5 OF 7	

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-1/2" HEX LAG SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
G	1/4" X 4" HH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" HH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 1-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME	ALUM 6063-T5
2	FRAME STOP	ALUM 6063-T5
3	5" SLIP PLATE	ALUM 6063-T5
5	SILICONE SEALANT	SILICONE
7	BULB WEATHERSTRIP	PVC
8	WOOL PILE WEATHERSTRIP	-
9	4-1/2" X 4-1/2" HINGE	STEEL
10	#12 X 11/16" FH SELF-DRILLING SMS	STEEL
11	12-24 X 1/2" FH MACHINE SCREW	STEEL
15	#14 X 1" FH SMS	STEEL
16	DEADBOLT STRIKE PLATE	STEEL
17	LATCH STRIKE PLATE	STEEL
18	MORTISE LOCK STRIKE PLATE	STEEL
20	CORNER REINFORCEMENT	STEEL
21	#10 X 1" PPH SMS	STEEL
22	#10 X 1/2" PPH SMS	STEEL
24	DOOR SWEEP (PEMKO 345AV)	-
25	#6 X 5/8" PPH SMS	STEEL
30	"T" ASTRAGAL	ALUM 6063-T5
31	#8 X 1" FH SMS	STEEL
32	OUTSWING THRESHOLD	ALUM
33	ADA THRESHOLD (PEMKO 171A)	ALUM
35	SARGENT 988 SURFACE BOLT (12")	STEEL
36	1/4-20 X 2-5/8" FH MACHINE SCREW w/ GROMMET NUT	STEEL
38	SURFACE BOLT STRIKE PLATE (1-5/8" X 3-1/2" X 3/16")	STEEL
39	#14 X 1-1/4" FH SMS	STEEL
40	DOOR PANEL (SEE DOOR PANEL DETAILS)	-



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PRODUCT: CLINE DOORS		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
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3	7/02/26	UPDATE TO 9TH ED. (2026)	
2	7/23/25	ADD MORTISE LOCK	
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SHEET 7 OF 7			